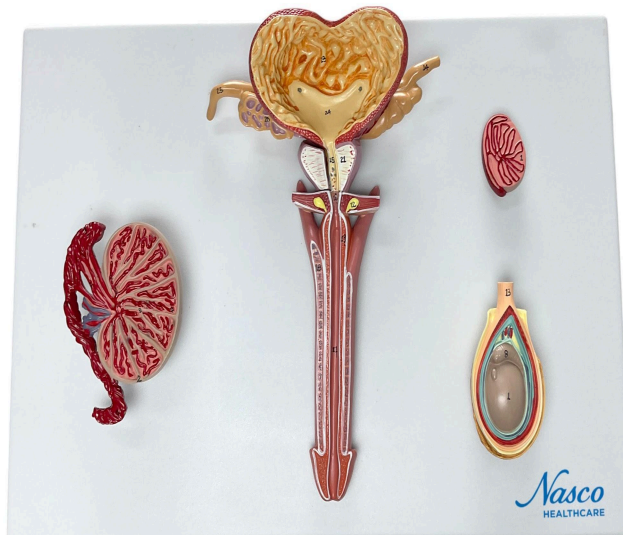
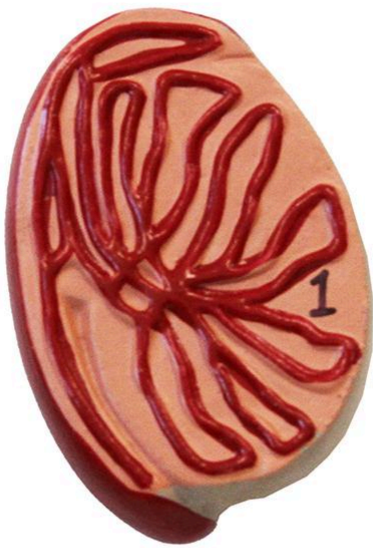
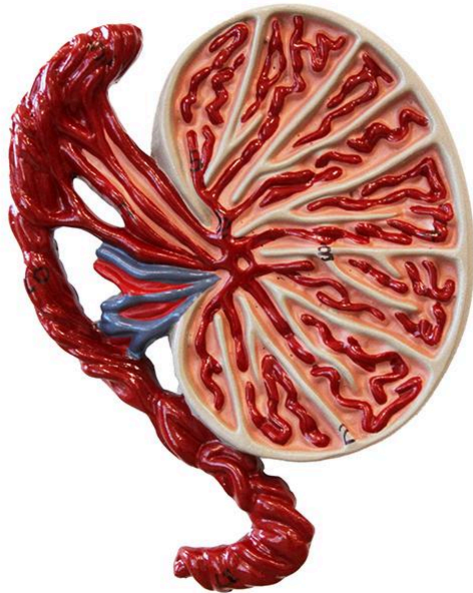


**MG31102 | HUMAN MALE REPRODUCTIVE  
ORGAN SECTION**









Anatomical model of the male reproductive organ section, life-size, shows in detail various organs of the male reproductive system. The penis, prostate, and urinary bladder are longitudinally sectioned, revealing their internal anatomy and presented in didactic colors. The testicle is partially sectioned to expose its internal structures, including an enlarged and detailed cross-section. Testicular septum, straight and convoluted seminiferous tubules are precisely hand-painted and numbered.

**Applications:**

Study of anatomy in schools and universities; training; assistance in explaining to patients; medical and scientific information; study of the reproductive system; anatomical study; support for surgical dissection training; clinics; classrooms; patient education; demonstration of procedures.

**Technical Differentials:**

- \* Detailed representation of the anatomy of the male reproductive system;
- \* Precise manual numbering and painting;
- \* High-precision natural molding;



- \* Manufactured from resistant synthetic material;
- \* High-fidelity replicas;
- \* Includes an information card with the related structures;
- \* Model with polymer base for support;
- \* Model with references and markings;
- \* Resin approved in toxicological tests.

### **3D Technology and Augmented Reality:**

Our anatomical models offer a visual complement through information cards that activate 3D models viewable in augmented reality (AR). This interactive platform assists learning, allowing comparative analysis of anatomical structures and offering resources for continuing education in anatomy, physiology, and pathophysiology.

### **Technical Specifications:**

- \* Scale: Life-size
- \* Material: Synthetic resin

### **Main Structures:**

**Testicle:** Paired organ responsible for the production of sperm and male sex hormones (testosterone). It has a complex internal structure, with seminiferous tubules where spermatogenesis occurs.

**Tunica albuginea:** Thick fibrous capsule that surrounds the testicle, providing structural support and protection. Its fibers extend internally, forming septa that divide the testicle into lobules.

**Testicular septum:** Fibrous separations originating from the tunica albuginea, dividing the testicle into lobules, each containing seminiferous tubules.

**Straight seminiferous tubules:** Small tubules that connect the seminiferous tubules to the rete testis.

**Rete testis:** Network of anastomosing channels located in the testicular mediastinum, which receives sperm from the straight seminiferous tubules.

**Head of the epididymis:** Upper and expanded portion of the epididymis, where the efferent ductules join to form the ductus epididymis.



**Efferent ductules of the testicle:** Series of small tubules that transport sperm from the rete testis to the head of the epididymis.

**Body of the epididymis:** Middle and elongated portion of the epididymis, where sperm mature and are stored.

**Tail of the epididymis:** Lower and tapered portion of the epididymis, where sperm are stored until ejaculation.

**Epididymis:** Tubular organ that lies on the testicle, responsible for the storage, maturation, and transport of sperm.

Other structures can be verified directly on the physical piece or on the interactive 3D model.

#### **About Anatomical Models:**

They are developed with resin replication technology, offering an alternative to natural anatomical models for teaching and research. They present the main morphological characteristics with a good cost-benefit ratio, resistance, manual painting, and numbering for precise identification of the structures.

Acquire our anatomical model and provide an enhanced learning experience at your institution. Contact us to

#### **List of all visible structures:**

- testis
- tunica albuginea
- testicular septum
- straight seminiferous tubules
- rete testis
- head of epididymis
- efferent ductules of testis
- body of epididymis
- tail of epididymis
- testis
- epididymis
- spermatic cord
- superficial fascia (dartos) of scrotum
- testis



- body of bladder
- trigone of urinary bladder
- ampulla of ductus deferens
- seminal vesicle
- ductus deferens
- prostatic part of urethra
- prostate
- membranous part of urethra
- bulbourethral gland
- spongy urethra
- corpus cavernosum of penis
- penile urethra